

Title (en)  
INDUSTRIAL WORK VEHICLE

Title (de)  
INDUSTRIELLES ARBEITSFAHRZEUG

Title (fr)  
VÉHICULE DE TRAVAIL INDUSTRIEL

Publication  
**EP 4343924 A1 20240327 (EN)**

Application  
**EP 23199412 A 20230925**

Priority  
IT 202200019668 A 20220926

Abstract (en)  
Described is an industrial work vehicle comprising a frame (10) having a compartment (2) for housing at least one energy storage unit (3), preferably a lithium energy storage unit (3), equipped with an electronic module (4) comprising at least electronic power components (5); the industrial vehicle (1) comprises a system (6) for cooling the energy storage unit (3) and at least part of the electronic module (4) configured to remove at least part of the heat generated by the energy storage unit (3) and by the electronic module (4) towards the outside environment.

IPC 8 full level  
**H01M 10/613** (2014.01); **B60L 50/60** (2019.01); **H01M 10/42** (2006.01); **H01M 10/625** (2014.01); **H01M 50/209** (2021.01); **H01M 50/249** (2021.01); **H01M 10/48** (2006.01)

CPC (source: EP)  
**B60L 58/26** (2019.02); **H01M 10/425** (2013.01); **H01M 10/613** (2015.04); **H01M 10/625** (2015.04); **H01M 50/249** (2021.01); **B60L 2200/42** (2013.01); **B60L 2240/36** (2013.01); **B60L 2240/545** (2013.01); **H01M 10/486** (2013.01); **H01M 50/209** (2021.01); **H01M 2220/20** (2013.01)

Citation (search report)

- [A] WO 2022076827 A1 20220414 - ECONTROLS LLC [US]
- [A] US 2017290204 A1 20171005 - CRAGNOTTI JOSEPH E [US], et al
- [A] WO 2022097943 A1 20220512 - LG ENERGY SOLUTION LTD [KR]
- [A] US 2017263985 A1 20170914 - NISHIKAWA AKINOBU [JP], et al
- [A] JP 2021026842 A 20210222 - YANMAR POWER TECHNOLOGY CO LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4343924 A1 20240327**

DOCDB simple family (application)  
**EP 23199412 A 20230925**